

# VOICE FRAME NETWORK GATEKEEPER-TO-INTELLIGENT PERIPHERAL INTERFACE METHOD AND APPARATUS

## ABSTRACT OF THE DISCLOSURE

5           Telecommunications apparatus between a voice frame network gatekeeper and  
intelligent peripheral such as an interactive voice response unit (IVR) is described. The  
apparatus includes a voice frame network connection for coupling a gatekeeper to an  
intelligent peripheral; a protocol over the connection that provides supplemental  
services messaging between the gatekeeper and the intelligent peripheral, the protocol  
10   conveying a request from the gatekeeper to the intelligent peripheral and a response  
from the intelligent peripheral to the gatekeeper; and a command structure embedded in  
such request/response protocol, the command structure including a call-transfer  
request/response sequence to which the gatekeeper is responsive. The interfacing  
method includes configuring the gatekeeper as a supplemental services provider (SSP)  
15   under International H.450 standard; configuring an IVR as an intelligent peripheral  
under International H.450 standard; first conveying requests from the gatekeeper to the  
IVR over the voice frame network in accordance with a defined protocol; and second  
conveying responses to the requests from the IVR to the gatekeeper over the voice  
frame network in accordance with a defined protocol. The first conveying invokes a  
20   call-transfer request/response sequence to which the IVR is responsive to route a given  
call to a different telephone line, the number of which is provided in conjunction with  
the call-transfer request/response sequence. Preferably, the protocol and the command  
structure comply with International H.323 and H.450 standards.